

identification module used in the base station are identical to sections of data stored on a chip card of an access-authorized mobile terminal;

processing data read from the identification module through software implemented in the base station;

authenticating the mobile terminal with regard to the base station through the processed data, wherein the base station fulfills the same functions and tasks with respect to access control and authentication as a home location register and, respectively, an authentication center of the mobile communication system; and

operating the mobile terminal through the public fixed network if the authentication has been successful.

20. (Amended) A cordless communication system for the operation of a mobile terminal of a mobile communication system with a base station that is connected to a public fixed network and that is compatible at an air interface with the mobile communication system that has at least one authentication function, comprising:

a read/write unit within a base station, the read/write unit configured to read and write information from and to, respectively, at least one identification module, wherein sections of data of the identification module used in the base station are identical to sections of data on a chip card of an access-authorized mobile terminal; and

software implemented in the base station for processing of data read from the identification module and for authenticating the mobile terminal relative to the base station through the processed data, wherein the base station fulfills the same functions and tasks with respect to access control and authentication as the home location register and, respectively, the authentication center of the mobile communication system.

REMARKS

The October 2, 2002 Office Action was based upon pending Claims 12-22. By this Amendment, Applicant amends Claims 12 and 20 and traverse the rejections over the cited prior art. Thus, after entry of this Amendment, Claims 12-22 are pending and presented for further